

Seal AI

2. An ink jet printer for making print on a recording paper by running an ink carriage along a supporting axis in a reciprocating motion, wherein:

said ink carriage includes two ink heads each provided with an ink nozzle facing a different direction, so that printing is effected on the recording paper simultaneously at two portions along a transportation direction in which the recording paper is transported through a single transportation path sequentially one by one.

3. The ink jet printer of Claim 2, wherein nozzle distance adjusting means for adjusting a distance between said ink nozzles facing different directions with respect

to the transportation direction is provided, so that printing is effect at two preset recording portions on said printing paper by said two ink heads each provided with said ink nozzle facing the different direction.

4. The ink jet printer of Claim 3, wherein extendable guiding means for guiding the recording paper through the transportation path between said ink nozzles facing different directions whether the transportation path is extended or shortened.

5. The ink jet printer of Claim 2, wherein:

each of said ink nozzles is provided with a plurality of ink holes aligned in a line slanted with respect to a running direction along said supporting axis and the transportation direction of the recording paper; and

said plurality of ink holes in one of said ink nozzles are shifted by half the pitch from said plurality of ink holes in the other ink nozzle as to intervals in the running direction along the supporting axis and/or the transportation direction of the recording paper.

6. The ink jet printer of Claim 2, wherein:

first print data is printed out by one of said ink

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nozzles and second print data is printed out by the other ink nozzle, said second print data being different from said first print data.

7. The ink jet printer of Claim 2, wherein paper turnover means for turning over the recording paper is provided in the transportation path between said ink nozzles.

8. The ink jet printer of Claim 2, wherein drying means for drying print made on the recording paper is provided in the transportation path.

9. The ink jet printer of Claim 5, wherein said ink nozzle is provided for each color in case of color printing.

10. The ink jet printer of Claim 1, wherein said supporting axis is provided in a direction that intersects at right angles with the transportation direction of the recording paper.

11. The ink jet printer of Claim 1, wherein the transportation path is curved along each outer surface of said ink carriage.

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12. The ink jet printer of Claim 1, wherein the transportation path is curved along each outer surface of said ink carriage to have a substantially same space therebetween.

13. The ink jet printer of Claim 11, wherein the transportation path is curved substantially in a U-shape.

14. The ink jet printer of Claim 10, wherein at least one of said supporting axis and ink carriage is formed so as to be on a virtual extension line of the transportation path extending toward said ink carriage.

15. The ink jet printer of Claim 2, wherein an ink directing direction of each of said ink nozzles opposes each other.

16. The ink jet printer of Claim 15, wherein the ink directing direction of each of said two ink nozzles is horizontal.

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